Water Purification

GREEN INFRASTRUCTURE VISION
VERSION 2.3 ECOSYSTEM SERVICE VALUATION

Chicago Metropolitan Agency for Planning
Chicago Wilderness
THE CONSERVATION FUND

Map Prepared by
The Conservation Fund, 2014.

1 in = 3 miles

0 10 Miles

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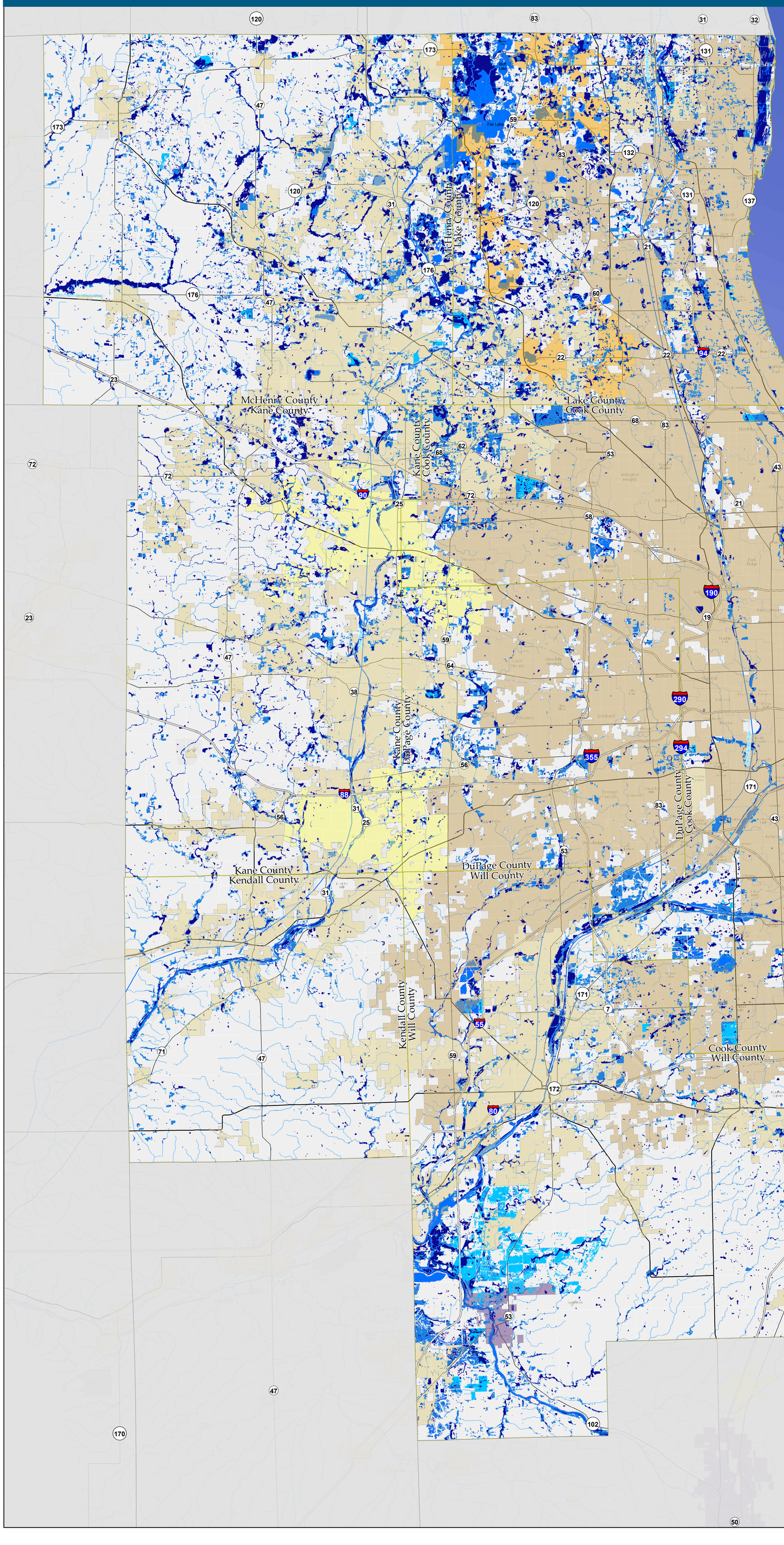

About this Map

GIV Version 2.3 provides an estimate of the economic benefits of the Chicago Wilderness Green Infrastructure Vision that can be reliably measured.

The Water Purification ecosystems helps maintain water quality sufficient for human consumption and support recreational uses like swimming and fishing, and aquatic life. Clean water is essential to public health and ecosystem health. Natural systems can be an effective way to reduce nonpoint source pollution, sediment, nutrients (i.e. nitrogen, phosphorus), bacteria, and other pollutants from water supplies. Natural systems also can help avoid the need to invest in or replace expensive, energy intensive gray infrastructure systems that treat water or manage stormwater. Poor water quality can have other significant economic impacts, including beach closures due to high bacteria levels, the need for dredging due to sedimentation, and limits on water-based recreational activities. The Chicago Wilderness GIV helps with water purification that benefits people and wildlife by containing nearly all of wetlands and other open spaces that currently provide this ecosystem service.

Approximate value of Water Purification services provided by the GIV:

$634 Million

KEY

Water Purification

2014 dollars/acre/year

- $4,351
- $1,300
- $54

Water Supply by Municipality

Water Source

- combo
- ground
- lake
- lake*
- river
- Streams

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